L.C : 004-14-000008

CIVIL TECH LABS

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TEST REPORT

TEST ON AGGREGATES ('AIV' & Combined Flakiness & Elongation Index)

Wet Mix Macadam

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Improvements and Asphalting to roads Rajkumar road in Chikkabommasandra ward no 03
Agency of the Name	M/s. Technical Manager (West)
Date of Testing	08/11/2014
Reference	MORTH Table 400-10

Sample No	Aggregate Impact Value 'AIV' in %	Average AIV in %	Remarks
1	22.6	22.2	Satisfactory (As per MORTH for WMM, Maximum allowed AIV is 30 %)
2	21.8		

Test	Result in %	Combined Flakiness & Elongation Index 'C-F&E' in %	Remarks
Flakiness Index	11.8	24.3	Satisfactory (As per MORTH for WMM, Maximum allowed 'C-F&E' is 30 %)
Elongation Index	12.5		

Note:

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TEST REPORT
TESTS ON BITUMEN SAMPLE

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Improvements and Asphalting to cross roads Rajkumar road in Chikkabommasandra ward no 64.
Name of Agency	M/s. Technical Manager (West)
Date of Testing	15/11/2014

Paving Grade of Bitumen - 60-70 Grade

Sl.No.	Name of the Test	Test As Per IS Code	Result	Specification As Per IS 73 : 2006	Remarks
1	Specific Gravity @ 27°C	IS : 1202-1978	1.02	0.97 - 1.02	PASS
2	Flash Point °C	IS : 1209-1978	238	Minimum 220°C	PASS
3	Fire Point °C	IS : 1209-1978	252	Not Specified	PASS
4	Softening Point (R&B) °C	IS : 1205-1978	56	Minimum 45°C	PASS
5	Penetration @ 25 °C 100g & 5 S, 0.1 mm	IS : 1203-1978	65	60-70	PASS
6	Ductily @ 25°C in Cm	IS : 1208-1978	82.3	Minimum 50 cm	PASS

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TEST REPORT

TEST ON AGGREGATES [AIV & Combined Flakiness & Elongation Index]

Bituminous Macadam (BM)

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Improvements and Asphalting to cross roads Rajkumar road in Chikkabomanasandra ward no 04.
Name of Agency	M/s. Technical Manager (West)
Date of Testing	15/11/2014
Reference	**MORTH Table 500-03**

Sl. No	Aggregate Impact Value 'AIV' in %	Average AIV in %	Remarks
1	22.9	22.4	Satisfactory (As per MORTH for BM, Maximum allowed AIV is 30%)
2	21.8		

Test	Result in %	Combined Flakiness & Elongation Index 'C-F&E' in %	Remarks
Flakiness Index	12.6	24.5	Satisfactory (As per MORTH for BM, Maximum allowed 'C-F&E' is 30 %)
Elongation Index	11.9		

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TEST REPORT

WATER ABSORPTION TEST OF ROAD AGGREGATES

Bituminous Macadam (BM)

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Improvements and Asphalting to cross roads Rajkumar road in Chikkahnmanasandra ward no 04.
Name of Agency	M/s. Technical Manage (West)
Date of Testing	15/11/2014

Method of Test	Sample No.	Water Absorption in %	Average Water Absorption in %	As per MORTH Table 500-03.	Remarks
IS 2386 (Part 3)	1	0.76	0.79	2 % Maximum	Satisfactory
	2	0.82			
	3	0.79			

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TEST REPORT

STRIPPING TEST OF ROAD AGGREGATES

Bituminous Macadam (BM)

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Improvements and Asphalting to cross roads Rajkumar road in Chikkabommasandra ward no 04
Name of Agency	M/s. Technical Manager (West)
Date of Testing	15/11/2014

Method of Test	Observation No.	Uncovered Area/Stripping in %	Average Stripping Value in %	As Per Morth Table 500-03	Remarks
IS:6241-1971 (Reaffirmed 2003)	1	3.90	3.84	5 % Maximum	Satisfactory
	2	3.79			
	3	3.82			

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TEST REPORT

TEST ON AGGREGATES ('AIV' & Combined Flakiness & Elongation Index)

Bituminous Concrete (BC)

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Improvements and Asphalting to cross roads Rajatmor road in Chikkabommasandra ward no 04.
Name of Agency	M/s. Terminal Manager (West)
Date of Testing	27/11/2014
Reference	MORTH Table 500-17

Sl. No	Aggregate Impact Value 'AIV' in %	Average AIV in %	Remarks
1	20.5	20.9	Satisfactory (As per MORTH for BC, Maximum allowed AIV is 24 %)
2	21.3		

Test	Result in %	Combined Flakiness & Elongation Index 'C-F&E' in %	Remarks
Flakiness Index	11.8	24.1	Satisfactory (As per MORTH for SDBC, Maximum allowed 'C-F&E' is 30 %)
Elongation Index	12.3		

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TEST REPORT

WATER ABSORPTION TEST OF ROAD AGGREGATES

Bituminous Concrete (BC)

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Improvements and Asphalting to cross roads Rajkumar road in Chikkabommasandra ward no 06
Name of Agency	M/s. Technical Manager (West)
Date of Testing	27/11/2014

Method of Test	Sample No.	Water Absorption in %	Average Water Absorption in %	As per MORTH Table 500-17	Remarks
IS: 2386 (Part 3)	1	0.89	0.91	2 % Maximum	Satisfactory
	2	0.92			
	3	0.93			

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TEST REPORT

STRIPPING TEST OF ROAD AGGREGATES

Bitumlnous Concrete [BC]

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Improvements and Asphalting to cross roads Rajkumar road in Chikkabommasandra ward no 04
Name of Agency	M/s Technical Manager (Work)
Date of Testing	27/11/2014

Method of Test	Observation No.	Uncovered Area/Stripping in %	Average Stripping Value in %	As Per Morth Table 500-17	Remarks
IS 6241-1971 (Reaffirmed 2003)	1	3.7	3.8	5 % Maximum	Satisfactory
	2	3.9			
	3	3.5			

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